

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-057026

(43)Date of publication of application : 02.03.1999

---

(51)Int.Cl.

A61N 1/14  
A61N 5/06  
C02F 1/68  
C02F 1/68

---

(21)Application number : 09-227919

(71)Applicant : SUKIRU:KK

(22)Date of filing : 25.08.1997

(72)Inventor : TSUKUDA HISAKAZU

YAO HIDETO

OKAMOTO KEIJI

---

## (54) TOURMALINE AQUEOUS SOLUTION AND ITS PREPARATION

### (57)Abstract:

PROBLEM TO BE SOLVED: To promote health by using an aqueous solution containing ions extracted from a tourmaline ore to improve the condition of immune function, blood circulation, autonomic nerve, visuoauditory sense, optic nerve and the like of a living being.

SOLUTION: In the production of a tourmaline aqueous solution, powder of a tourmaline ore is mixed with water to dissolve ions from the tourmaline ore into the water. In the process, the blending ratio of the powder of the tourmaline ore to the water is 3-20 wt.% of the powder of tourmaline ore based on 100 wt.% of the tourmaline aqueous solution. The tourmaline aqueous solution thus obtained inhibits adverse effect by an electromagnetic wave on a living being with the action of ions contained therein thereby achieving an activation of vital cells and a livening up of metabolism while developing an action of promoting health by far infrared rays. This allows easier application of the tourmaline aqueous solution to a product such as cellular phone by a means for impregnation, coating and mixing to utilize the action of tourmaline against the electromagnetic waves and the action of far infrared rays developed by the tourmaline aqueous solution.

---

## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of

rejection]

[Kind of final disposal of application other than  
the examiner's decision of rejection or  
application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's  
decision of rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office